

**Description**

**CPE-27N-2.0A1-W152R:**

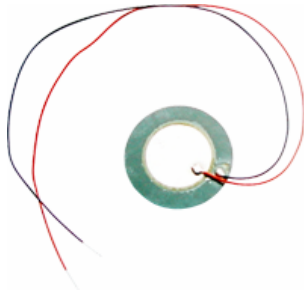
Chinasound Piezo Element 27mm diameter, Ni alloy basic disc – 2.0KHz resonant frequency, type A (=without feedback), 1 (=super thin disc) – Wire length 152mm, RoHS compliant

◆ **RoHS compliant**

◆ **Reliable Solid State Piezoelectric Technology**

◆ **Easily Mounted**

**Picture**



**Specification**

Resonant Frequency  
Resonant Impedance  
Capacitance at 100Hz  
Input Voltage  
Insulated Resistance  
Operating Temperature  
Storage Temperature  
Termination  
Construction Materials

Description  
Case  
Diaphragm

Test Point  
Weight (Typical)  
Reliability

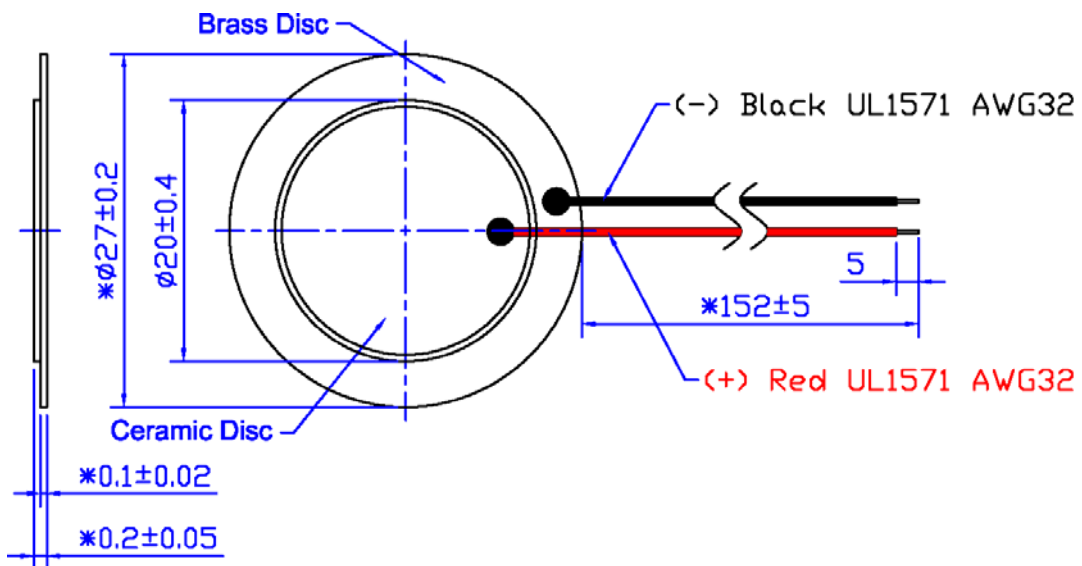
\*High Temperature  
\*Low Temperature  
\*Humidity  
\*Thermal Shock  
\*Vibration  
\*Shock  
\*Drop Test

2,000+/-500Hz  
600 Max. ohm  
50,000+/-30% pF at 100Hz 25 °C  
30Vp-p Max., square wave  
50M ohm Min.  
-20 °C to +70 °C  
-30 °C to +80 °C  
Gold Plated Springs  
No  
Ni Alloy Disc  
Within 1mm from edge of silver coat  
0.4 g  
no function at +80+/-2 °C for 240 hours, function at +70+/-2 °C for 240 hours,  
no function at -30+/-2 °C for 240 hours, function at -20+/-2 °C for 240 hours,  
+40+/-2 °C, 95+/-5%RH, 240 hours  
-20+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +70+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr.  
Temperature Go up or Drop time is 0.5 hr. 3 hrs per 1 cycle. Total is 5 cycles  
1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours  
980m/s<sup>2</sup> (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each  
Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied

**Warranty**

\*All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).

**Dimensions** (Unit:mm, Tolerance: +/-0.3mm)



All specifications are subject to change without notice